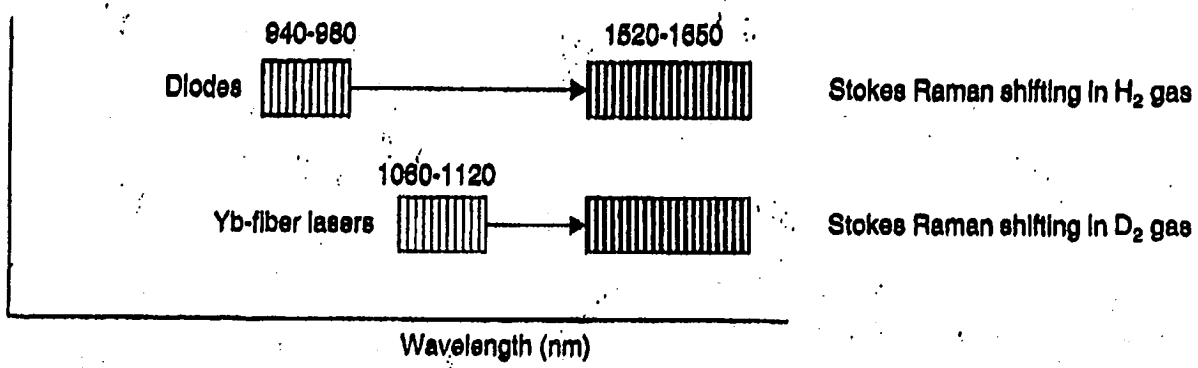
940-980
1520-1650
Diodes
Stokes Raman shifting in H_2 gas
1060-1120
Yb-fiber lasers
Stokes Raman shifting in D_2 gas
Wavelength (nm)

FIG 1.

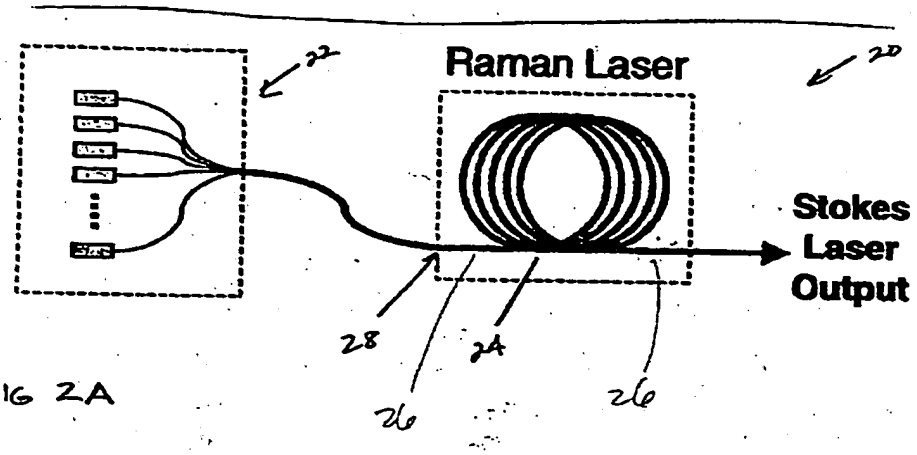
Raman Laser
22
20
Stokes
Laser
Output
28
24
26
26

FIG 2A

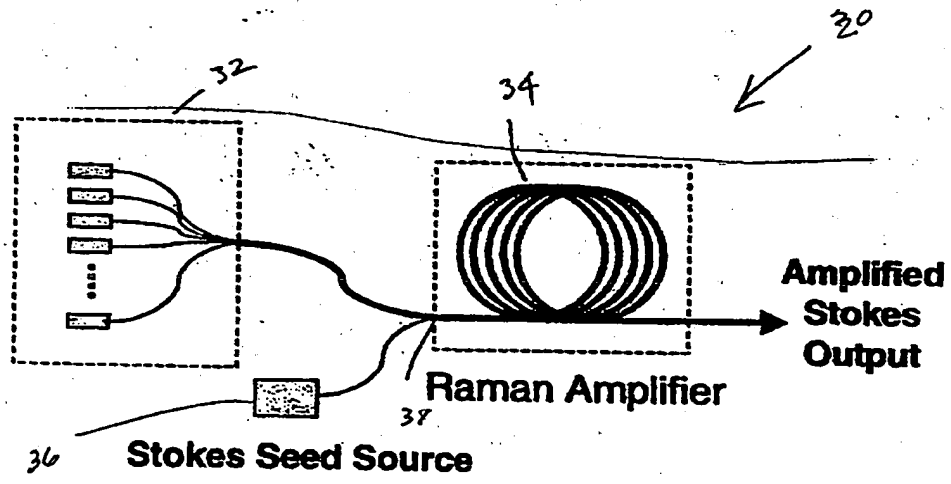
30
32
34
Amplified
Stokes
Output
Raman Amplifier
38
36
Stokes Seed Source

FIG 2B

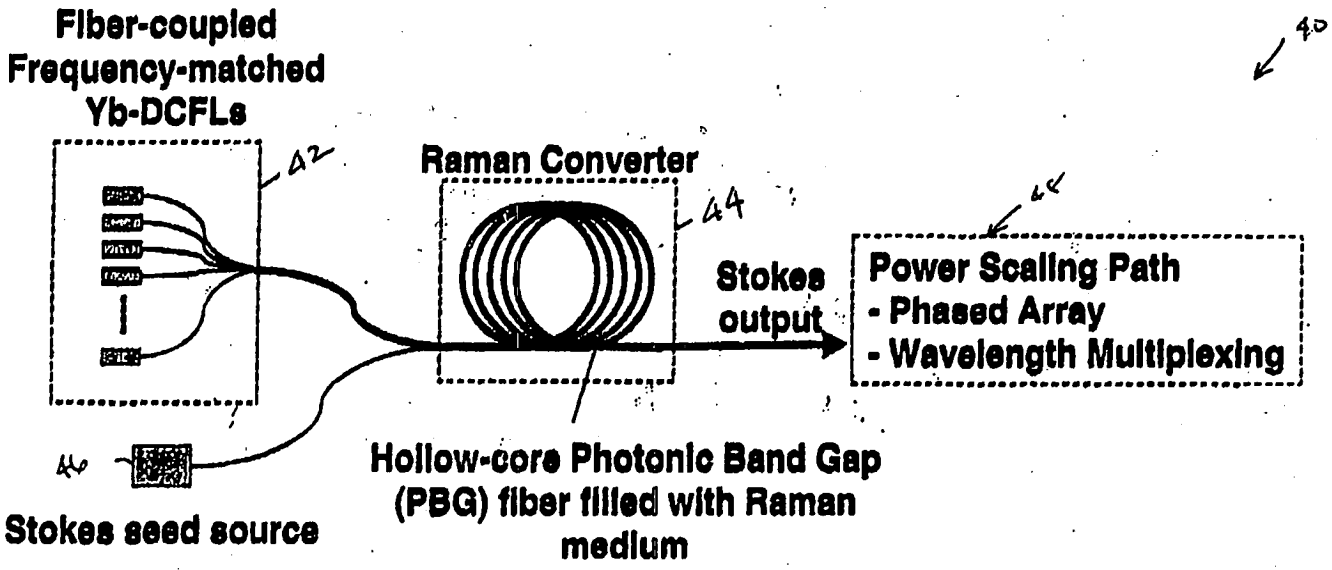
Fiber-coupled
Frequency-matched
Yb-DCFLs
42
Raman Converter
44
Stokes
output
Power Scaling Path
- Phased Array
- Wavelength Multiplexing
40
Stokes seed source
Hollow-core Photonic Band Gap
(PBG) fiber filled with Raman
medium

FIG 3